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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1

of 17

## Complete if Known

Application Number	10/561,826
Filing Date	October 17, 2006
First Named Inventor	Catherine M. Verfaillie
Art Unit	1649
Examiner Name	Wang, Chang Yu
Attorney Docket Number	890003-2006.1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6653134		Prockop et al.	
		US- 6777231		Katz et al.	
		US- 7056738		Prockop et al.	
		US- 7229827		Kim et al.	
		US- 20030003090	01-02-2003	Prockop et al.	
		US- 20030059414	03-27-2003	Ho et al.	
		US- 20040235165	11-25-2004	Prockop et al.	
		US- 20050169896	08-04-2005	Li et al.	
		US- 5589376		Anderson et al.	
		US- 5602301		Field	
		US- 5648248		Zenke et al.	
		US- 5672499		Anderson et al.	
		US- 5654183		Anderson et al.	
		US- 5733727		Field	
		US- 5906934		Grande et al.	
		US- 5928943		Franz et al.	
		US- 6015671		Field	
		US- 6214369		Grande et al.	
		US- 6306575		Thomas et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> *Number *Kind Code <sup>4</sup> (if known)	MM-DD-YYYY			
		WO 01/21766	03-29-2002			
		WO 01/51610	07-19-2001			
		WO 01/53461	07-26-2001			
		WO 01/68815	09-20-2001			
		WO 95/10599	04-20-1995			
		WO 95/03062	02-02-1995			

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FOREIGN PATENT DOCUMENTS						
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		WO 99/11758	03-11-1999			
		WO 99/35243	07-15-1999			
		CA 2191655A	06-02-1997			
		EP 0627487A	12-07-1994			
		WO 02/86073	10-31-2002			
		WO 00/66713	11-09-2000			

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		EGLITIS et al., "Hematopoietic cells differentiate into both microglia and macroglia in the brains of adult mice" Proc Natl Acad Sci USA; 94:4080-4085 (1997)	
		KOPEN et al., "Marrow stromal cells migrate throughout forebrain and cerebellum, and they differentiate into astrocytes after injection into neonatal mouse brains" Proc Natl Acad Sci USA; 96:10711-10716 (1999)	
		WOODBURY et al., "Adult rat and human bone marrow stromal cells differentiate into neurons" J. Neurosci. Res.; 61:364-370 (2000)	
		BERTANI et al., "Neurogenic potential of human mesenchymal stem cells revisited: analysis by immunostaining, time-lapse video and microarray" J Cell Sci; 118:3925-36 (2005)	
		LU et al., "Induction of bone marrow stromal cells to neurons: differentiation, transdifferentiation, or artifact" J Neurosci Res; 77:174-91 (2004)	
		NEUHUBER et al., "Reevaluation of in vitro differentiation protocols for bone marrow stromal cells: disruption of actin cytoskeleton induces rapid morphological changes and mimics neuronal phenotype" J Neurosci Res; 77:192-204 (2004)	
		JIANG et al., "Pluripotency of mesenchymal stem cells derived from adult marrow, Supplemental Information for Verfaillie Corrigendum" Nature; 418:41-49 (2002)	
		VERFAILLIE, "Letter to the Editor" Experimental Hematology; (2007)	
		ALDOUS et al., "Flawed stem cell data withdrawn" New Scientist; (February 15, 2007)	
		ALDOUS et al., "Fresh questions on stem cell findings" New Scientist; (March 24, 2007)	

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First Named Inventor	Catherine M. Verfallie
Art Unit	1649
Examiner Name	Wang, Chang Yu
Attorney Docket Number	890003-2006.1

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		CHECK "Stem cell paper corrected" Nature; 447:763 (2007) and JIANG et al., "Pluripotency of mesenchymal stem cells derived from adult bone marrow" Erratum in Nature; 447:879-880 (2007)	
		CHI, "Adult stem cell figure retracted" The Scientist; (June 13, 2007)	
		GLENN, "Paper on versatility of adult stem cells comes under question" The Chronicle; (February 26, 2007)	
		HOLDEN, "Stem Cells. Controversial marrow cells coming into their own?" Science; 315:760-761 (2007)	
		JIANG et al., "Multipotent progenitor cells can be isolated from postnatal murine bone marrow, muscle, and brain" Exp. Hematol.; 30:896-904 (2002)	
		LERNER et al., "Stem cell study was flawed, U panel finds" Star Tribune; (February 27, 2007)	
		NOONAN, "Limitations on the usefulness of adult stem cells" Patent Docs; (February 28, 2007)	
		PINCOCK, "Adult stem cell report questioned" The Scientist; (February 26, 2007)	
		REYES et al., "Purification and ex vivo expansion of postnatal human marrow mesodermal progenitor cells" Blood; 98:2615-25 (2001)	
		SERAFINI et al., "Hematopoietic reconstitution by multipotent adult progenitor cells: precursors to long-term hematopoietic stem cells" J. Exp. Med.; 204:129-39 (2007)	

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Attorney Docket Number	890003-2006.1

Sheet 5

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## **NON PATENT LITERATURE DOCUMENTS**

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		BRAZELTON et al., "From marrow to brain: expression of neuronal phenotypes in adult mice" Science; 290:1775-9 (2000)	
		CLARKE et al., "Generalized potential of adult neural stem cells" Science, 288: 1660-3 (2000)	
		JOHANSSON et al., "Neural stem cells in the adult human brain" Exp. Cell. Res.; 253:733-6 (1999)	
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		MORSHEAD et al., "Hematopoietic competence is a rare property of neural stem cells that may depend on genetic and epigenetic alterations" Nat. Med.; 8:268-73 (2002)	
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		PROCKOP et al., "Marrow stromal cells are stem cells for nonhematopoietic tissues" Science; 276:71-74 (1997)	
		CHALMERS-REDMAN et al., "In vitro propagation and inducible differentiation of multipotential progenitor cells from human fetal brain" Neuroscience; 76:1121-1128 (1997)	
		CHEN et al., "Therapeutic benefit of Intravenous administration of bone marrow stromal cells after cerebral ischemia in rats" Stroke; 32:1005-1011 (2001)	

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## Complete if Known

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Filing Date October 17, 2006  
First Named Inventor Catherine M. Verfaillie  
Art Unit 1649  
Examiner Name Wang, Chang Yu  
Attorney Docket Number 890003-2006.1

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		REYES et al., "Turning marrow into brain: generation of glial and neuronal cells from adult bone marrow mesenchymal stem cells" Abstract 1676, American Society for Hematology (2001)	
		GUPTA et al., "Human bone marrow derived mesodermal progenitor cells (MPC) in vitro correct the biochemical abnormality in Hurler Syndrome" Abstract 1199, American Society for Hematology (2001)	
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		ZHAO et al., "Immunohistochemical identification of multipotent adult progenitor cells from human bone marrow after transplantation into the rat brain" Brain Res Brain Res Protoc; 11:38-45 (2003)	
		JIANG et al., "Multipotent progenitor cells can be isolated from postnatal murine bone marrow, muscle, and brain" Exp Hematol; 30:896-904 (2002)	
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		MARMUR et al., "Isolation and developmental characteristics of cerebral cortical multipotent progenitors" Developmental Biology; 204:577-591 (1998)	

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